

# Derek Michael Forrester

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8828753/publications.pdf>

Version: 2024-02-01

25  
papers

211  
citations

1039880

9  
h-index

1058333

14  
g-index

26  
all docs

26  
docs citations

26  
times ranked

180  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental verification of nanofluid shear-wave reconversion in ultrasonic fields. <i>Nanoscale</i> , 2016, 8, 5497-5506.	2.8	39
2	Arrays of coupled chemical oscillators. <i>Scientific Reports</i> , 2015, 5, 16994.	1.6	32
3	Characterisation of colloidal dispersions using ultrasound spectroscopy and multiple-scattering theory inclusive of shear-wave effects. <i>Chemical Engineering Research and Design</i> , 2016, 114, 69-78.	2.7	16
4	Multiple scattering in random dispersions of spherical scatterers: Effects of shear-acoustic interactions. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 649-660.	0.5	16
5	Graphene levitons and anti-levitons in magnetic fields. <i>Nanoscale</i> , 2014, 6, 7594-7603.	2.8	14
6	The emergence of quantum capacitance in epitaxial graphene. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5829-5838.	2.7	13
7	Magnetic cellular automata and the formation of glassy and magnetic structures from a chain of magnetic particles. <i>Physical Review B</i> , 2007, 75, .	1.1	11
8	Morphological imperfections of epitaxial graphene: from a hindrance to the generation of new photo-responses in the visible domain. <i>Nanoscale</i> , 2017, 9, 11463-11474.	2.8	11
9	Shear-mediated contributions to the effective properties of soft acoustic metamaterials including negative index. <i>Scientific Reports</i> , 2015, 5, 18562.	1.6	10
10	Two-particle element for magnetic memory. <i>Physical Review B</i> , 2007, 76, .	1.1	7
11	Confinement effects of levitons in a graphene cosmology laboratory. <i>RSC Advances</i> , 2015, 5, 5442-5449.	1.7	7
12	Ultrasound Propagation in Concentrated Suspensions: Shear-mediated Contributions to Multiple Scattering. <i>Physics Procedia</i> , 2015, 70, 213-216.	1.2	5
13	Switching dynamics of doped CoFeB trilayers and a comparison to the quasistatic approximation. <i>Physical Review B</i> , 2013, 87, .	1.1	4
14	The nano-mechanics and magnetic properties of high moment synthetic antiferromagnetic particles. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 884-889.	0.8	4
15	Self-assembled multi-ring formations of glutamine and a possible link to erythema gyratum repens. <i>Medical Hypotheses</i> , 2015, 85, 10-16.	0.8	4
16	Fundamental design paradigms for systems of three interacting magnetic nanodiscs. <i>Applied Physics Letters</i> , 2011, 98, 163113.	1.5	3
17	Whispering galleries and the control of artificial atoms. <i>Scientific Reports</i> , 2016, 6, 25084.	1.6	3
18	The absorption of ultrasound in emulsions: computational modelling of thermal effects. <i>Scientific Reports</i> , 2018, 8, 12486.	1.6	3

#	ARTICLE	IF	CITATIONS
19	ASTROID CURVES FOR A SYNTHETIC ANTIFERROMAGNETIC STACK IN AN APPLIED MAGNETIC FIELD. International Journal of Modern Physics B, 2009, 23, 4021-4040.	1.0	2
20	Astroid curves of high-moment antiferromagnetic nanoparticles with tunable magnetic properties. Journal of Magnetism and Magnetic Materials, 2009, 321, 903-905.	1.0	2
21	Modelling viscous boundary layer dissipation effects in liquid surrounding individual solid nano and micro-particles in an ultrasonic field. Scientific Reports, 2019, 9, 4956.	1.6	2
22	Designing magnetic superlattices that are composed of single domain nanomagnets. Beilstein Journal of Nanotechnology, 2014, 5, 956-963.	1.5	1
23	The emergence of superconducting systems in Anti-de Sitter space. Journal of High Energy Physics, 2016, 2016, 1.	1.6	0
24	ASTROID CURVES FOR A SYNTHETIC ANTIFERROMAGNETIC STACK IN AN APPLIED MAGNETIC FIELD. , 2009, , .		0
25	Rapid reproduction of complex images in graphite by laser etching and exfoliation. AIMS Materials Science, 2017, 4, 413-420.	0.7	0